

Onyx® in the Physician's Office:

Patient Care is Enhanced with Addition of Pulse Oximetry to Routine Vital Signs Monitoring

Nonin has long been known for its innovation in pulse oximetry. By creating small, simple, reliable, and durable pulse oximeters, we've earned the trust of clinicians worldwide. And our Onyx® – the original all-in-one digital fingertip pulse oximeter™ – is a shining example of our unparalleled dedication to accurate and innovative pulse oximeters. But what do physician's offices around the United States think about the Onyx?

To find out, Nonin solicited the feedback of five physician's offices in Illinois, Kansas, Minnesota, and New Jersey. After using the Onyx for over 1,600 on-site spot checks, the response from the field was overwhelmingly positive: a vast majority of participants called the Onyx a convenient, easy-to-use, time-saving device that enhanced patient care.

ABOUT THE STUDY

Nonin solicited the feedback of five physician's offices from throughout the United States. Each location was provided with between two and five Onyx pulse oximeters for use by designated clinicians for 30 days as part of their routine vital signs monitoring practices. Clinicians were instructed to carry the Onyx with them, record SpO₂ and pulse rate data when taking vital signs, document any resulting interventions, and provide candid feedback. The following sites participated in the study:

- West Health – Plymouth, Minnesota
- Midwest Cardiology – Overland Park, Kansas
- Stillwater Medical Group – Stillwater, Minnesota
- Dupage Medical Group – Glen Ellyn, Illinois
- Manmouth Pulmonary Consultants – Long Branch, New Jersey



The original Onyx® finger pulse oximeter (above) and the more recent Onyx Vantage 9590 use the same clinically proven Nonin PureSAT® SpO₂ technology.

PATIENT INTERVENTIONS

7% of spot checks performed during this study resulted in patient interventions. Those interventions included administration of supplemental oxygen, prescription of medications, x-ray administration, hospitalization, and referrals for further evaluation.

FAVORITE FEATURES

The size, simplicity, and convenience of the Onyx were favorite features among the participating clinicians, who also favored its automatic operation and unique three-color pulse quality indicator. After testing the Onyx on-site for 30 days as part of their routine monitoring practices, the participant responses speak for themselves:



- **97%** of participants reported that the Onyx enhanced patient care.
- **100%** called the Onyx “easy” or “very easy” to incorporate into their routine vital signs monitoring.
- **99%** called the Onyx a time-saver.
- **97%** said they would purchase an Onyx.

Ease of use and convenience were essential concerns for clinicians, who were impressed with the Onyx’s size and portability. One participant happily reported, “I was able to keep the Onyx in my pocket, rather than walking to the nurse’s station to get it from a drawer.” Participants also appreciated the Onyx’s automatic on/off feature, and were glad that it required no setup or adaptive devices.

“With its rapid results, the Onyx allows clinicians to provide better patient care – with more patient contact.”

Participants were impressed with the fast, reliable readings they obtained from the Onyx. For them, the speed of the Onyx equated to greater patient satisfaction. Consider the following responses from the field:

- Our physician liked the idea that the nursing staff had the Onyx so readily available. It provides immediate access – you can get oxygen information and inform the doctor right away.
- The Onyx allows healthcare providers to triage patients with chest pain and shortness of breath while they are in the waiting room.
- The Onyx is a great tool for determining the urgency of intervention for patients with asthma or shortness of breath.
- The Onyx is a great tool for providing reassurance about oxygenation levels to patients with asthma or chronic obstructive pulmonary disease (COPD).
- With its rapid results, the Onyx allows clinicians to provide better patient care – with more patient contact.

- Patients are curious about the Onyx, and that curiosity gives healthcare providers a great opportunity to teach patients about pulse oximetry.
- Patients are very happy to know their oxygen levels.

For these physicians – and thousands of other satisfied customers – Nonin’s Onyx is an easy-to-use time-saver that improves patient care. This small, durable, accurate, dependable, and remarkably simple device is the perfect tool for making pulse oximetry a part of your routine monitoring practices.



PURELIGHT™ AND PURESAT™ TECHNOLOGIES

Like all Nonin sensors, the Onyx features PureLight™ technology, which boasts pure red and infrared LEDs to create unparalleled accuracy – even at critical SpO₂ levels. Nonin’s PureLight LEDs hold a steady calibration curve – even at SpO₂ levels below 80 percent.

Nonin has long recognized that accurate and dependable SpO₂ readings start with accurate and dependable sensors, and we’re proud to have been using our PureLight technology for over twelve years.

Nonin’s PureSAT™ technology makes greater use of signal characteristics for artifact rejection, using improved pulse detection technology for faster, more precise pulse detection and quick readings. With these technologies built into every device, Nonin delivers performance to customers who demand accuracy in the most challenging environments.



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